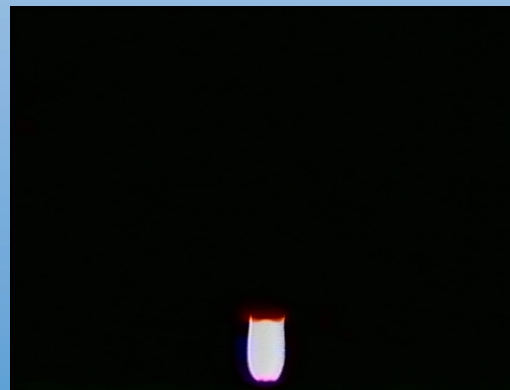
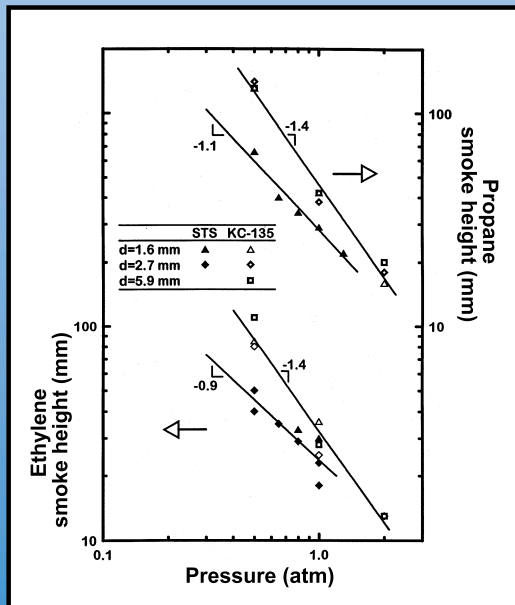


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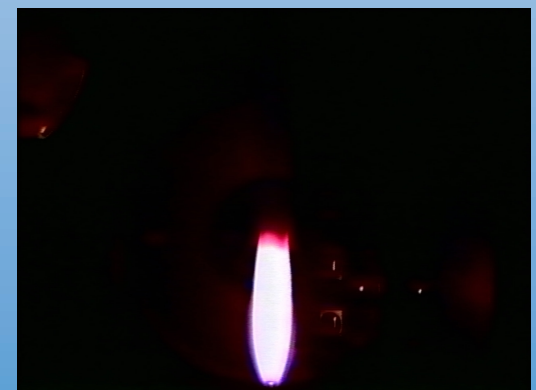
MICROGRAVITY SCIENCE DIVISION SPACE DIRECTORATE



Smoke Point in Coflow Experiment (SPICE) Glovebox Investigation



Ethylene in air at 1 atm
just above smoke height



Ethylene in air at 1 atm
far above smoke height

Objectives:

- Determine the laminar smoke-point properties of nonbuoyant jet diffusion flames
- Gain better understanding of soot processes in laminar diffusion flames: evaluate detailed models of mixing, soot formation, and radiation emission
- Supplement LSP flight experiment data

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